

Annual Report Sent To New York STATE EDUCATION DEPARTMENT:

**WESTERN NEW YORK
REGIONAL INFORMATION CENTER
CHAPTER 793 PLAN
2015 – 2018**

Annual Update 2016

Progress is in red ink and italics

Highlights of Plan

Objective 1: 1.1, 1.2, 1.3, 1.5, 1.9

Objective 2: 2.1, 2.2, 2.3, 2.6

Objective 3: 3.1

Objective 4: 4.3, 4.5

Objective 5: 5.1, 5.2, 5.4, 5.5, 5.6, 5.7

Objective 6: 6.1, 6.2, 6.3, 6.4, 6.5

Objective 7: 7.1, 7.2, 7.3, 7.4, 7.5, 7.6

793 Plan for 2015 – 2018

Objective 1: Provide a secure, robust, cost effective infrastructure at WNYRIC, in the cloud, as well as in the district as appropriate.

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
1.1 Continue to design, implement and advocate for the most flexible, cost effective, resilient, redundant, secure and robust bandwidth (network connectivity) for each school district and BOCES through competitive bidding practices	July 1, 2015 – June 30, 2018	TS WAN	<p>The most flexible, cost effective resilient, redundant and robust internet and school district intranet network is in place.</p> <p><i>New broadband is being implemented and should be complete by 2/28/2016.</i></p> <p><i>A Broadband Committee has been developed to investigate future Broadband technologies and capacity needs</i></p>
1.2 Continue to review and implement cost effective Disaster Recovery and Business Continuity initiatives for applicable Tier 1 applications and continue to design DRBC strategies for Tier 2 applications based on time of recovery needs.	July 1, 2015 – June 30, 2018	Infrastructure Teams	<p>Continued enhancement of DR readiness for WNYRIC Tier 1 applications with DR cycle testing in place and Tier 2 applications DR readiness complete based on required time of recovery needs.</p> <p><i>Moved the DR site from Colvin to VTC. All equipment has been moved and is operational at VTC.</i></p> <p><i>Production servers are live at VTC to facilitate the Business Continuity Initiative.</i></p>
1.3 Implementation of centralized, cost effective network security tools for wide area network and local area network security.	July 1, 2015 – June 30, 2018	TS WAN	<p>Goal is realized as the most effective security measures are put in place on our network based on recent or future network threats. These security measures are implemented by WNYRIC network engineering staff in the local school districts, as necessary.</p> <p><i>Additional monitoring tools have been purchased and are being implemented.</i></p> <p><i>New Log Analysis tool (Splunk) should be implemented by 2/28/16 – Splunk</i></p> <p><i>Installed new bandwidth monitoring tools</i></p> <p><i>Solarwinds is installed, and now monitoring all core, broadband and data center network infrastructure – including Netflow traffic analysis (now able to determine the amount of Apple traffic</i></p>

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
			<p><i>Training on new bandwidth monitoring tools with WNYRIC Staff and Standards Sub-Committee members is complete</i></p> <p><i>In the initial phase of evaluating a new Firewall and Security Appliance for all districts to be implemented in the Spring of 2017</i></p>
<p>1.4 Implement Change Management to effectively communicate with end users and staff regarding process or technical changes to avoid downtime or outages.</p> <ul style="list-style-type: none"> ○ Configuration Management ○ Release Management 	<p>July 1, 2015– June 30, 2018</p>		<p>Change Management is in place and ITIL (Information Technology Infrastructure Library) best practices are in place and communicated to the field.</p>
<p>1.5 Enhance how stake holders are informed of bandwidth utilization trends to better prepare and implement optimization strategies to optimize bandwidth availability</p>	<p>July 1, 2015 – June 30, 2018</p>	<p>Core Network</p>	<p>Reporting four times a year at Advisory Council, Standards, DL consortium, and Technology Coordinators. Collaborative meetings with BOCES partners. Analysis of the reports and planning to incorporate optimization strategies is available from WNYRIC technical teams. <i>Districts have online training available</i></p>
<p>1.6 Research, design and implementation strategies are shared to ensure a robust managed wireless network is in place in school districts and BOCES</p>	<p>July 1, 2015 – June 30, 2018</p>		<p>The most flexible, cost effective resilient, redundant and robust centrally managed wireless network is in place which can support the school district and BOCES needs.</p>
<p>1.7 Enhance communication methods to school district customers to inform efficiently and effectively</p>	<p>July 1, 2015 – June 30, 2018</p>		<p>Efficient and effective communication methods are in place and proven effective through customer feedback. <i>WNYRIC eNews is emailed with new information when available</i></p>
<p>1.8 Continue work with other BOCES/RICs and districts to find cost effective ways to deliver internet bandwidth and network security</p>	<p>July 1, 2015 – June 30, 2018</p>		<p>Cost effective methods are in use by customers.</p>

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
<i>1.9 Improve network infrastructure, security, and management options for public libraries by connecting to district broadband</i>	July 1, 2015 – June 30, 2018		<i>Connections to public libraries requested by school districts are in place</i>

Objective 2: Continue to enhance instructional offerings under Common Set of Learning Objectives (CSLO)

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
2.1 Continue to provide new offerings through the statewide RFP process and ensure compliance with Education Law 2d	July 1, 2015 – June 30, 2018	R & D Team	<p>New RFPs are released and awarded. All new and existing contracts have incorporated the data and privacy information provided in Education Law 2d as well as the Erie 1 BOCES Parent Bill of Rights.</p> <p><i>RFPs released late June-STEAM, Social Studies & Global Citizenship</i></p> <p><i>STEAM and Global Citizenship awarded at 9/9/15 BOE meeting. STEAM awarded see 2.6 Global Citizenship award-New Global Citizens.</i></p> <p><i>Social Studies RFP Award: Newsela, Pearson, AKJ Books, Thinkmap</i></p> <p><i>Virtual Education: Lightsailed, Redbird, Right Reason, Odysseyware, Apex</i></p> <p><i>New RFPs to be released: coding, classroom management, adaptive technologies</i></p>
2.2 Provide online offerings as part of the catalog offerings	July 1, 2015 – June 30, 2018	CSLO & Model Schools	<p>Online offerings are in place that support anywhere/anytime learning on the part of teachers. The RIC will continue to work with the local BOCES to provide resources for the school districts in the region.</p> <p><i>Additional webinars listed include o365 & google</i></p> <p><i>PDhttp://www.e1b.org/TrainingWorkshops/TechnologyIntegration/CSLO/Workshop/s/cslowebinars201516.aspx</i></p>
2.3 Continue to investigate emerging technologies and their instructional uses and implications	July 1, 2015 – June 30, 2018	R & D Team	<p>Pilot Program implementation dates and follow up for the following topics:</p> <p>Paperless Classroom Pilots</p> <p>Windows 8</p> <p>Chromebooks</p> <p>Android – Google Play</p> <p>iPads</p> <p>MDM</p> <p>Cloud services for instruction</p> <p>*Other topics will be included as they emerge.</p> <p><i>Robotics</i></p> <p><i>Windows 10</i></p> <p><i>Robotics to 2.3</i></p> <p><i>O365 & google trainings are taking place for districts that have completed on-boarding with us.</i></p> <p><i>Districts include: Hammondsport, Franklinville, Alfred Almond, Tonawanda, Lancaster, Arkport, Avoca, Cuba Rushford, Iroquois, Holland, Niagara Wheatfield,</i></p>

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
			<i>Ripley, Hamburg, Andover, Depew, Lakeshore, Andover, Clarence, Genesee Valley, Falconer, Belfast, Allegany Limestone, West Valley</i>
2.4 Work with lead agencies develop and implement regulations to be in compliance with all State and Federal regulations – This includes the tech plan survey tool as well as any necessary support for the Smart Schools Bond Act	July 1, 2015 – June 30, 2018	CSLO & Model Schools	Compliant policies and regulations are promulgated.
2.5 Collection of data that supports the impact of technology on instruction and student learning	July 1, 2015 – June 30, 2018	CSLO & Model Schools	Data from program evaluations will be available. Pilot Project research results will be available for individual districts participating as well as overall information for the region. The location for this repository will be provided. Special research projects will be identified as needed by technology groups throughout the region including the CSLO administrative groups.
2.6 Continue to investigate and support Science Technology Engineering, Arts and Mathematics (STEAM) initiatives throughout the region	July 1, 2015 – June 30, 2018		New RFPs released and awarded. The RIC will continue to work with the local BOCES to provide resources for the school districts in the region <i>STEAM RFP awarded 9/9/15 Contracts to follow.</i> <i>Award:</i> <i>iDesign</i> <i>Dreambox</i> <i>A+Educators</i> <i>C8 Sciences</i> <i>Brian Hurricane</i> <i>eSpark</i> <i>Ten Marks</i> <i>Answer Pad</i> <i>Teq</i> <i>Blue Ribbon</i>
2.7 Enhance communication methods to school district customers to inform efficiently and effectively	July 1, 2015 – June 30, 2018		Efficient and effective communication methods are in place and proven effective through customer feedback.

Objective 3: Support anywhere/anytime secure cloud environments to meet district's needs.

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
3.1 Investigate and support secure cloud based solutions for collaboration.	July 1, 2015 – June 30, 2018	Cloud Team	<p>Secure cloud based solutions are in place and supported.</p> <p><i>7 districts are in Google Cloud Workspace Environment and 10 districts are in o365 Cloud Workspace Environment are complete and other districts are in process</i></p> <p><i>Continued research on emerging technologies to stay current with district needs.</i></p>
3.2 Continue to investigate and communicate research results of work completed related to new technologies to provide anywhere/anytime secure access on any device for all services, users and learners	July 1, 2015 – June 30, 2018		<p>Additional appropriate technologies which may impact network inter-operability complexities are reviewed, proof of concepts conducted, and the technologies are submitted for review and approval to the Standards Committee if appropriate. Additional application services are offered and implemented.</p>
3.3 Enhance communication methods to school district customers to inform efficiently and effectively	July 1, 2015 – June 30, 2018	R&D Team, Lifecycle Team	<p>Efficient and effective communication methods are in place and proven effective through customer feedback.</p>

Objective 4: Investigate and implement cost savings and optimization strategies to achieve sustainability in service offerings

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
4.1 Manage grants that support or enhance the entire WNYRIC region in relation to increased efficiencies and cost containment	July 1, 2015 – June 30, 2018	All Services	Grants are awarded, activities are complete and grant dollars received and distributed.
4.2 Optimize services by utilizing effective analytic tools.	July 1, 2015 – June 30, 2018	All Services	Use of metrics for trends and growth are in place and utilized to optimize services offered and to improve end user experience.
4.3 Continue to offer robust, cost effective centralized remote access End Point Device Management Solutions to reduce manual desktop support (sneakernet) and optimize instructional time by eliminating downtime.	July 1, 2015 – June 30, 2018	Life Cycle Team	Centralized and cost effective end point device management solutions (SCCM and IBM Big Fix) are in place, reports reviewed and remediation measures are implemented. <i>Implemented Apple centralized solution (JAMF) for MacOSX and iOS devices.</i>
4.4 Research and inform districts and BOCES about technologies that provide for a greener environment	July 1, 2015 – June 30, 2018	TS LAN	Collaborative solutions are in place that continue to reduce the carbon footprint throughout the region.
4.5 Continued utilization of inclusive Microsoft Active Directory to aid in efficient sharing of resources	July 1, 2015 – June 30, 2018		Effective use of Microsoft Active Directory as the primary and secure authentication source for account management to applications and resources on the shared broadband network, and in the cloud, is in place for ease of use. <i>An additional 3 districts were added to the centralized shared (WNYRIC) based Active Directory.</i> <i>Total of 10 districts have joined the WNYRIC based Active Directory</i>
4.6 Implement regulations to be in compliance with all State and Federal regulations – including any necessary support for the Smart Schools Bond Act	July 1, 2015 – June 30, 2018		Compliant policies and regulations are promulgated.

4.7 Enhance communication methods to school district customers to inform efficiently and effectively	July 1, 2015 – June 30, 2018		Efficient and effective communication methods are in place and proven effective through customer feedback.
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Objective 5: Develop and provide data systems, processes and services in support of administration, accountability and or instructional improvement

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
5.1 Support the process for and data needed for interim and online assessments	July 1, 2015 – June 30, 2018	Student Services Team	Data services for interim and online assessments are provided. <i>Student data is being shared via secure means and with district authorization to an expanded list of assessment products.</i>
5.2 Research and support new data collection requirements	July 1, 2015 – June 30, 2018	Data Warehouse Team	Information, training and support for new data collection requirements are provided. <i>District Data Coordinator meetings have been scheduled and begun for the year. Information regarding new data collection requirements is being shared at the meeting and via email.</i> <i>Continuation of transitions from BEDS online to SIRS for collection of Personnel Master File and additional staff data to meet new NYSED collection process, including support for e-PMF collection through TAA portal</i> <i>Support district for increased frequency of data collection regarding student attendance and chronic absenteeism.</i>
5.3 Provide data support for the NYSED EngageNY Portal as requested by school districts	July 1, 2015 – June 30, 2018		Information, training and support for the NYSED EngageNY is provided
5.4 Provide expanded, more inclusive data integration service that encompasses all offerings	July 1, 2015 – June 30, 2018		Evaluate and provide a data integration service that encompasses the best process based on the application requirements <i>Seventeen districts are currently participating in data integration service. District application needs and current methods have been evaluated and the best solutions have been implemented or are in progress. Research on new methods and improvements is ongoing.</i> <i>Increased use of EDM (eScholar data manager) data flow with goal of automating many data loads to NYSED.</i>
5.5 Provide expanded data reporting, as well as, support programs that allow teacher	July 1, 2015 – June 30, 2018		Expanded data reporting services are available.. <i>Data Warehouse team has created a series of reports to show individual student historical assessment performance, reports to show district progress or weakness in</i>

level access to appropriate data			<p><i>addressing specific common core learning standards, and reports to show the effect of student assessment refusals on ELA & Math 3-8 assessments.</i></p> <p><i>Support and training webinars to assist district users in deeper analysis of student data using Cognos online tools including dynamic data cubes.</i></p>
5.6 Enhance communication methods to District Data Coordinators to inform efficiently and effectively	July 1, 2015 – June 30, 2018		<p>Efficient and effective communication methods are in place and proven effective through customer feedback.</p> <p><i>A reminder email was sent to DDC's regarding how to make changes to contact information for our DDC list, updating contacts for NYSED, shipping address for test scanning.</i></p>
5.7 Incorporate data privacy and security information into service delivery	July 1, 2015 – June 30, 2018		<p>Data privacy and security information is provided</p> <p><i>A Data Security and Privacy session will be provided prior to each District Data Coordinator meeting in September as an overview of topics related to NY Education Law 2-d, additional laws and regulations, best practices and online services. A website of information can be found at nysdsp.org.</i></p>

Objective 6: Support the initiative for Computer Based Testing (CBT)

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
6.1 Communicate current NYS requirements regarding CBT	July 1, 2015– June 30, 2018	All Service Teams	Districts are provided appropriate information to successfully implement Computer Based Testing (CBT). <i>Listserv is maintained for destitution of information including updates from weekly SED phone call</i>
6.2 Provide security within endpoint management	July 1, 2015 – June 30, 2018	TS LAN Lifecycle	<i>Solutions are in place that provides security for Computer Based Testing within the WNYRIC Network along with utilizing endpoint management tools.</i>
6.3 Support CBT vendor solutions	July 1, 2015 – June 30, 2018	Student Data Warehouse and Instruction Teams	Vendor provided solutions have been implemented to support CBT in school districts both locally and at a state level. <i>Hosted Questar training on January 12, 2016</i>
6.4 Implement adequate and redundant infrastructure in the school districts	July 1, 2015 – June 30, 2018	Infrastructure and Operations	Effective infrastructure at the districts is in place for CBT. <i>Wireless infrastructure may need to be reviewed based on endpoint and device quantities.</i>
6.5 Investigate/research/assist districts with readiness for online assessment use through planning for technology and providing technical expertise and best practices as needed	July 1, 2015 – June 30, 2018	All service teams	Districts are assisted with readiness for CBT or emerging online assessments. <i>February, 2016 – question sampler released. Participate in new weekly CBT testing teleconference Information regarding both NYSSA online testing and Questar 3-8 field testing is distributed to districts via District Data Coordinator listserv and CTB listserv</i>
6.6 Enhance communication methods to school district customers to inform efficiently and effectively	July 1, 2015 – June 30, 2018	All service teams	Efficient and effective communication methods are in place and proven effective through customer feedback.

Objective 7: Continue to enhance existing management/administrative services with updated functionality and new product offerings

Goal/Activities Needed to accomplish objective	Timeline/Start End	Completion Criteria/Evidence of Progress Reported by	Completion Criteria/Evidence of Progress
<p>7.1 Implement and support solutions to meet the needs of school business and Human Resources and Administrative operations and ensure compliance with Education Law 2d</p>	<p>July 1, 2015 – June 30, 2018</p>	<p>Finance Service</p>	<p>Solutions for Financial, HR and Administrative Services are implemented and supported. New and existing contracts have incorporated the data and privacy information provided in Education Law 2d as well as the Erie 1 BOCES Parent Bill of Rights, as necessary</p> <p><i>Financial / HR teams have been working with software vendors on what data is needed to be in the financial systems to be able to produce the 1095 forms for the Affordable Care Act (ACA) reporting requirements.</i></p> <p><i>Financial Team is also investigating software that could assist the districts in tracking for the ACA.</i></p> <p><i>Financial Team is offering a service to assist districts in exporting the required data out of the financial software and formatting it in the templates of 3rd party vendors for ACA tracking. District input and verification is required.</i></p> <p><i>Held numerous user group meetings and workshops on the calendar year end process. Have created documentation and instruction on the generation of the 1095C forms out of the financial software systems. Have kept current with all of the Dept. of NYS Education requirements for the Staff Snapshot, Assignment and APPR and have held numerous conference calls and trainings to assist the districts on how to populate the Financial software to produce the required information for upload to Level 0</i></p>
<p>7.2 Implement and support solutions for the effective management of information about students and ensure compliance with Education Law 2d</p>	<p>July 1, 2015– June 30, 2018</p>	<p>Student Management Services</p>	<p>Solutions for student related data needs are implemented and supported. New and existing contracts have incorporated the data and privacy information provided in Education Law 2d as well as the Erie 1 BOCES Parent Bill of Rights, as necessary.</p> <p><i>A process is in place to have districts sign off for each new automated data extracts, as well as for any new vendors. Districts will authorize on an annual basis. Vendors are agreeing to Data Security and Privacy contract language.</i></p> <p><i>We continue to explore new data integration options as they become available to ensure effective and secure methods are used.</i></p>

7.3 Implement and support solutions for an expanded website service	July 1, 2015 – June 30, 2018	Email and Web Services	<p>New and enhanced solutions are implemented and supported.</p> <p><i>An entry level website service is now available to districts, supported by the SchoolWires service team. This will be mainly attractive to small school districts due to less robust functionality and lower costs.</i></p> <p><i>One district is now implemented</i></p> <p><i>Recently released an RFP for a Website solution that includes not only a content management system, but a website that incorporates a mobile application, and other notification functionality (phone, text, email)</i></p>
7.4 Provide enhanced services in response to emerging customer needs	July 1, 2015– June 30, 2018	All Service Teams	<p><i>Financial / HR Team has converted one more district to nVision and are looking to move forward with converting up to 10 districts this fiscal year.</i></p> <p><i>Investigating offering a web-based Visitor Management System that provides an effective way to help schools keep unwanted visitors out while tracking those visitors that they allow into the districts buildings.</i></p> <p><i>e-mail Services Team is researching and testing basic SharePoint sites for use by districts in the cloud. One district is in the SharePoint Service</i></p> <p><i>Financial Team is preparing for the calendar year end processes and the production of W-2's and 1099's forms along with the 1095C and 1094C forms for ACA reporting</i></p> <p><i>Visitor Management system is now available as a service. System can track visitors, volunteers, staff and students as they enter and leave school buildings. Extensive reporting is available.</i></p> <p><i>Under our Data Extraction for Affordable Care Act Service, we have extracted data for 24 districts who are using 3rd party vendors to meet their compliance, tracking and production of all required forms. Have processed and printed 22,877 W-2's 1099's for 52 districts.</i></p>
7.5 Enhance communication methods to inform constituencies efficiently and effectively	July 1, 2015 – June 30, 2018		<p>Efficient and effective communication methods are in place and proven effective through customer feedback.</p> <p><i>Financial/ HR Teams are conducting Webinars as well as providing detailed documentation on how to produce the Staff Tenure and Staff Assignment exports out of the financial software to upload to Level 0.</i></p> <p><i>Financial/ HR & Administrative teams are preparing for their Fall User Group Meetings, which will be held as live and webinar sessions to accommodate the districts' busy schedules.</i></p> <p><i>Financial Teams are holding webinars on the 1095C and 1094C process within the</i></p>

			<p><i>applications.</i></p> <p><i>Held numerous workshops on the calendar year end process and reporting. Have created documentation and instruction for the districts on the generation of the 1095C forms out of the financial software systems.</i></p> <p><i>Have kept current with all of the NYS Ed newest requirements such as Staff Attendance and new APPR ratings calculations and have held numerous conference calls with the vendors to see how this will be handled in the financial softwares so that we can keep our districts informed.</i></p>
<p>7.6 Incorporate data privacy and security information into service delivery</p>	<p>July 1, 2015 – June 30, 2018</p>		<p>Data privacy and security information is provided</p> <p><i>Fall user group meetings will include information regarding review of access to applications, as well as, secure data transfers.</i></p> <p><i>SMS teams have reviewed with districts the need to restrict access to applications and how to do this in eSchoolData and PowerSchool. Both teams offer services to assist districts in understanding and managing system security.</i></p> <p><i>Student teams are providing security review of access to applications for districts as requested.</i></p>

REGIONAL INFORMATION CENTER PROFILE (793 Plan, Section 8 - Districts Only)	Total	WNYRIC
2016- 2017List (supported in June 2016)		DISTRICTS
New Edits should be in Red		
REGIONAL INFORMATION CENTER PROFILE Reminder: Totals should reflect June 2016 anticipated numbers (793 Plan, Section 8 - Districts Only)		
Please enter end point device at the bottom.		
Aspen		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
CrossPoint Student		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
eSchoolData		
TOTAL	89	89
Public Schools	39	39
Charters and Non Pubs	50	50
eschool plus		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
Infinite Campus		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
Power School		
TOTAL	59	59
Public Schools	47	47

Charters and Non Pubs	12	12
SIS - Total Student Information Systems		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
School Master		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
SchoolTool		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
ANCILLARY STUDENT SYSTEM ADD ON COMPONENTS SUPPORTED BY RICs (Number of Districts & BOCES)		
Bridg-it	0	0
Bridges	25	25
College on Track	4	4
Grade Speed	0	0
Guidance Direct	29	29
InfoSnap	0	0
MyGradebook.com (gradebook)	0	0
Magnus Health	0	0
Naviance	8	8
Progress Book (gradebook)	0	0
Schedule Galaxy	0	0
SOLSTAR scheduling - stand alone	0	0
VDIR Violent and Disruptive Incident Reporting	0	0
WebEdge (Student Portfolio)	9	9
Weindenhammer Elem. Report Card	0	0

HEALTH TRACKING SYSTEMS		
Healthoffice (Healthmaster), Inc.	6	6
SNAP (Professional Software for Nurses, Inc.)	17	17
SPECIAL EDUCATION SYSTEMS SUPPORTED BY RICs (Number of Districts & BOCES)		
CT Medicaid	39	39
Centris Sync	33	33
Cleartrack2000 (SC RIC)	38	38
Curricuplan	0	0
Document Repository (Centris)	15	15
IEP Direct (Centris)	57	57
IEP Direct SIF	8	8
Medicaid Direct (Centris)	50	50
NYSE Direct	0	0
n2y	0	0
PC Part 200 (Progress)	1	1
Medicaid in Education (Medicaid Grant)		
TOTAL	88	88
Public Schools	81	81
4201 Schools	1	1
Counties	6	6
ACADEMIC INTERVENTION SYSTEMS SUPPORTED BY RICs (Number of Districts & BOCES)		
RTI Edge (aka AIS Edge) - Cleartrack	11	11
RTIm - Centris	25	25

BROADCAST SYSTEMS SUPPORTED BY RICs (Number of Districts & BOCES)		
Alert Solutions (used to be Power Alert)	15	15
Blackboard Connect	38	38
Code-Ed (ECN)	0	0
Connect Ed	0	0
Global Connect	0	0
K to 12 Alerts	0	0
One Call Now (aka: ParentBroadcast)	6	6
Parent Link	0	0
School Connect - Synervoice	0	0
School Messenger (Reliance Communication)	31	31
Tech Radium	0	0
DATA ANALYSIS TOOLS SUPPORTED BY RICs (Number of Districts)		
Data Warehouse (eScholar)		
TOTAL	174	174
Public Schools	90	90
Charters and Non Pubs	84	84
Certica Solutions		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
ELlevation		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0

Forecast5		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
K12 Insight		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
Level 0		
TOTAL	174	174
Public Schools	90	90
Charters and Non Pubs	84	84
NYS Data Validation (Certify)		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
National Student Clearinghouse		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
DATA DASHBOARD TOOLS		
eSchooldata GURUBoards	8	8
Forecast 5	0	0
iData/Qliktech	0	0
RTTT DataCation Compass from ConnectEDU	0	0
RTTT myTrack from eScholar	0	0
RTTT Schoolnet from Pearson	0	0
SchooltoolIQ	0	0

TEST SCANNING, SCORING & TEST DEVELOPMENT OF ALL TYPES STATE MANDATED TESTING (Number of Districts & BOCES)		
3-8 TESTING		
TOTAL	155	155
Public Schools	90	90
Charters and Non Pubs	65	65
Achievement Testing		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
BOCES Assessment Reporting System (BARS) on the web		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
EduTech's ASAP (Regents scoring/rpts.)		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
Optimum Solution Corporation OSC (Regents Scanning)		
TOTAL	0	0
Public Schools	0	0
Charters and Non Pubs	0	0
Regents test scanning		
TOTAL	58	58
Public Schools	37	37

Charters and Non Pubs	21	21
Teleforms for in-district design/scanning		
TOTAL	59	59
Public Schools	53	53
Charters and Non Pubs	6	6
Formative Assessment Vendors - NOT STATE APPROVED		
Certica (TestWiz)	1	1
Datacation	0	0
Discovery Education - ThinkLink	0	0
eDoctrina	31	31
FAST	4	4
LinkIT	0	0
Mastery Manager	0	0
Mastry Connect	0	0
Performance Tracker/Assessment Builder	2	2
State Approved Local Assessment list (Number of districts and BOCES Supported)		
Achieve 3000	6	6
Acuity	0	0
AIMS web	33	33
Core K-12 (Assessment Center)	0	0
Dibels	0	0
DORA	0	0
Global Scholar	0	0
iREADY	25	25
NWEA - MAP	3	3
Renaissance Learning STAR Enterprise (math or reading)	43	43
Scholastic (SRI & SMI)	5	5

Stanford 10 (Pearson)	0	0
		0
FINANCIAL AND HUMAN RESOURCE SYSTEMS SUPPORTED BY RICs (Number of districts and BOCES)		
Alio (Weidenhammer)	0	0
AOS	0	0
Bold	0	0
BudgetSense (Unifund)	0	0
Edge Document Systems	0	0
EMAP	0	0
Finance Manager - Legacy	53	53
Finance Manager - Nvision	3	3
Info-Matics	0	0
K-12 Enterprises	0	0
Munis	0	0
NIS	0	0
NTS Data Services	0	0
Pentamation (Financial)	0	0
Scholarship	0	0
WINCAP	31	31
BUDGET DEVELOPMENT SYSTEMS SUPPORTED BY RICs (Number of Districts)		
Budget Mailer (web)	10	10
TAX BILLING SYSTEMS SUPPORTED BY RICs (Number of Districts)		
GST Tax Billing and Collection System	0	0
NERIC Tax Billing & Collection System	0	0

CAPITAL Project Planning and Tracking SYSTEMS SUPPORTED BY RICs (Number of districts)		
Capital Project Software (CapProSoft)	10	10
ELECTION MANAGEMENT SYSTEMS		
Bold	0	0
NTS Data Services	0	0
BOARD DOCUMENT MANAGEMENT SYSTEMS		
BoardDocs	0	0
eBoard	0	0
FACILITIES MANAGEMENT SYSTEMS SUPPORTED BY RICs (Number of districts and BOCES supported)		
Hillyard Custodial Management Suite(LitePro)	5	5
LHRIC Facilities Workorder System	0	0
Qware	44	44
Que Centre	0	0
rSchool Today Facilities Management	0	0
School Dude	0	0
Web Help Desk	0	0
Help Desk/Service Desk Management Systems Supported by RICs (Number of Districts and BOCES supported)		
Oswego BOCES Help Desk Service	0	0
Service Now	0	0

PROFESSIONAL DEVELOPMENT TRACKING SYSTEMS SUPPORTED BY RICs (Number of districts and BOCES supported)		
AVATAR	0	0
EvaluationPro	0	0
My Learning Plan	15	15
PDP Premier	38	38
Web Reg - MLP	0	0
WinCap PD	5	5
TEACHER AND PRINCIPAL EVALUATION SYSTEMS (APPR) SUPPORTED BY RICs (Number of districts and BOCES supported)		
BloomBoard	0	0
Ed Vista - StaffTrac	0	0
iObservation	5	5
Oasys - MLP	10	10
Observation 360	2	2
Randa	0	0
Right Reason Technologies	2	2
School Binder	0	0
Teacher Compass	0	0
Teachscape	17	17
WEB APPLICANT MANAGEMENT SYSTEMS SUPPORTED BY RICs (Number of districts and BOCES supported)		
AcquireTM	0	0
Job Applicant Tracker from SchoolWorld	0	0

SchoolStream (Job Applicant Manager)	0	0
Search Soft/Applicant Tracking	61	61
SUBSTITUTE EMPLOYEE MGT SYSTEMS SUPPORTED BY RICs (Number of districts)		
AESOP/Frontline Technologies	0	0
eSchools Solutions	0	0
TEXTBOOK TRACKING SUPPORTED BY RICs (Number of Districts)		
Follet Destiny Textbook Manager	0	0
Textbook Loan	38	38
CAFETERIA MANAGEMENT SYSTEMS SUPPORTED BY RICs (Number of districts)		
Horizon Boss Fast Lane	0	0
MiChoice	0	0
MicroCheck	0	0
Nourish formally SMARTS	0	0
nutriKids	0	0
SMARTS	0	0
WEBSMARTT	56	56
WINSNAP	0	0
TRANSPORTATION SYSTEMS SUPPORTED BY RICs (Number of districts)		
Applied Data Services	0	0
Education Logistics	0	0
GST BUS STAR	0	0
Transfinder	0	0

DOCUMENTMANAGEMENT & ARCHIVAL SYSTEMS SUPPORTED BY RICs (Number of districts)		
Accela (used to be IQM2)	0	0
FileBound	19	19
IQM2	0	0
Laserfiche	0	0
OnBase	0	0
TechTiles	0	0
EMAIL (OR GROUPWARE) SUPPORTED BY RICs (Number of districts)		
Echalk	0	0
Goggle	4	4
GroupWise Mail	0	0
LOTUS Notes	52	52
MS Exchange/Outlook	9	9
Office 365	3	3
ProcessIt eForms	12	12
CLOUD SOLUTIONS (including email/storage and productivity tools) SUPPORTED BY RICs (Number of districts)		
Aglix - BrainHoney	0	0
Amazon	0	0
Classlink Launchpad	1	1
Google/ Gmail	4	4
Microsoft Office 365	3	3
MyBig Campus	0	0
webNetworks (Stoneware)	0	0

WEB SITE DEVELOPMENT SUPPORTED BY RICs (hosted in some cases) (Number of districts)		
Centricity 2.0 (SchoolWires) (Blackboard)	60	60
Coldfusion	0	0
District Websites	0	0
Echalk	0	0
eSchoolview	0	0
SchoolFusion (Blackboard)	0	0
SchoolWorld Edline (Blackboard)	0	0
Share Point	0	0
Share Sites	0	0
SITE HOSITING SUPPORTED BY RICs (hosted at your RIC - may duplicate development numbers above)		
District Web Sites	0	0
School Wires/Centricity 2	60	60
Share Point	0	0
SchoolWorld Edline Websites	0	0
INTERNET CONTENT FILTERING SUPPORTED BY RICs (Number of districts)		
Content Filtering (Fortigate)	0	0
Content Filtering (Lightspeed)	85	85
Content Filtering (Marshal 8e6) now TrustWave	0	0
Content Filtering (N2H2 now BESS)	0	0
Content Filtering (NetSpective)	0	0
Content Filtering (Palo Alto)	0	0
Content Filtering (Sophos) was Astaro	0	0
Content Filtering (Smoothwall)	0	0

iBoss	0	0
Kajeet (managed cellular WiFi)	0	0
Wireless Network Authentication (Number of districts)		
Aruba	9	9
Avaya ID Engine	41	41
Bradford	0	0
Cisco ISE	33	33
Cisco Meracki	0	0
Cisco Prime	0	0
Clearpass	0	0
HP	0	0
Juniper/Trapeze	0	0
Lightspeed	0	0
Meru	5	5
Nortel	0	0
SPAMMING DETECTION PRODUCTS SUPPORTED BY RICs (Number of districts)		
Barracuda	0	0
Modusgate - Vircom	0	0
MS Forefront	0	0
Proofpoint	0	0
Sophos (was Astaro)	0	0
SPAM (CanIt)	79	79
Spam Assassin	0	0
MOBILE DEVICE MANAGEMENT Solutions SUPPORTED BY RICs (Number of districts)		
Absolute	0	0
Airwatch	2	2
Casper - JAMF & Suite	12	12
IBM - MasS360	0	0

Lightspeed	17	17
Meraki	0	0
MOBILE DEVICES SUPPORTED BY RICs (Number of districts)		
AnDroid (3.1 & above)	2	2
Chromebooks	24	24
iPad (4.1 & above)	72	72
Windows 8 Tablet	8	8
Windows 10 Tablet	0	0
FIREWALL SOFTWARE/INTRUSION DETECTION SUPPORTED BY RICs (Number of districts)		
Central Firewall	0	0
Checkpoint	102	102
CISCO ASA	2	2
CISCO IPS	2	2
Firewall (Bordermanager)	0	0
Fortigate	0	0
Juniper SRX	0	0
McAfee	0	0
Palo Alto IDS	0	0
PIX Cisco	0	0
SOPHOS (was Astaro)	0	0
SourceFire	0	0
OTHER	0	0
Security Services (Number of districts)		
Access Control	0	0
Digital Surveillance Solutions	0	0
GEOS Safety Solutions	0	0
IP Video Surveillance	35	35
Police Department Camera Access	0	0

Prepared Response	0	0
Rapid Response	0	0
Raptor	0	0
SafeSchoolsNY	0	0
Video Surveillance	0	0
Visitor Management -Scholar Chip	0	0
HOSTED VOIP & COLLABORATION TOOLS SUPPORTED BY RICs (Number of districts)		
Alcatel	0	0
Avaya / Nortel	9	9
Cisco Call Manager	13	13
Jabber	1	1
Lobby Guard	0	0
Microsoft Lync	0	0
My Assistant - Cisco	0	0
Raptor	0	0
SameTime - IBM	7	7
SHORETEL	0	0
Webex	0	0
EMAIL ARCHIVAL SUPPORTED BY RICs (Number of districts)		
ARCMail	0	0
Barracuda	0	0
Google Postini	0	0
GW Archive	0	0
GWAVA/RETAIN	0	0
Inboxer	0	0
Mail Meter (Waterford)	49	49
Message Solution	0	0
Microsoft	1	1
Razorsafe	0	0

Zix Mail	0	0
REMOTE BACK UP SERVICE SUPPORTED BY RICs (Number of districts)		
ComVault	0	0
Dell/App Assure	0	0
Double Take / iSCSI Replication	0	0
EMC	0	0
Falconstor	0	0
FM Data Backup	0	0
HP/Left Hand	0	0
Microsoft	0	0
NetApp	0	0
NetVault	0	0
Symantec Backup Exec	0	0
TSM	69	69
Veeam	0	0
Veritas	0	0
IDENTITY & ACCESS MANAGEMENT TOOLS SUPPORTED BY RICs (Number of districts)		
ADFS	14	14
FIM	0	0
Microsoft Active Sync	14	14
SIF	52	52
Tivoli Access Manager	17	17
ENTERPRISE NETWORK OPTIMIZATION SUPPORTED BY RICs (Number of districts)		
Active Directory	94	94
IBM BigFix (TEM)	28	28
IBM BigFix (TEM) Power Only	0	0

Microsoft SCCM	4	4
Neverware	0	0
Suffolk RIC Hosted NOC Management Services	0	0
Tivoli Endpoint Management (TEM)	24	24
Tivoli Endpoint Management (TEM) Power Only	70	70
WorkGroup Manager	2	2
ZenWorks	3	3
Sports Management	0	0
rSchool Today Sports Scheduling	0	0
HUDL Sports Video	0	0
Impact Concussion Baseline/Testing	0	0
NUMBER OF WORKSTATIONS/LAPTOPS PROVIDED, NETWORKED AND SUPPORTED AS PART OF RIC Services		
Interactive whiteboards	3200	3200
IP phone endpoints	10800	10800
IP Surveillance Camera endpoints	3500	3500
Networked printers	6168	6168
Networked projectors	3878	3878
Neverware	0	0
Personal Computers, laptops, tablets etc	142757	142757
Other end point devices	0	0
Learning Management Systems		
Blackboard	0	0
Technology Planning Systems		

Clarity	8	8
Antivirus Solutions Supported - please put an x for those supported		
CA		
Discovery Education Video- Streaming		
ESET NOD 32		
Forefront		x
Lightspeed		
McAfee		x
Microsoft		
Sophos		x
Symantec		x
Threat Trace (Vipre)		
Trend		